

Nikita Jayakar

+1-929-888-6884 | nikitamj2606@gmail.com | linkedin.com/in/nikita-jayakar/ | github.com/nikki2606

Versatile professional with extensive experience in Cloud, Full-stack development, and AI(Artificial Intelligence). Adept at cross-team collaboration to deliver high-quality products under critical deadlines.

EDUCATION

New York University

Brooklyn, NY

Master of Science in Computer Science, GPA: 3.62/4

University of Mumbai

Mumbai, India

*Bachelor of Engineering in Computer Engineering, GPA: 8.83/10, **top 5%** of the class*

WORK EXPERIENCE

Software Engineer - Cloud Infrastructure and Reliability

Jan 2023 – Present

New York Life Insurance

New York, NY

- **Creating guardrails** to deploy **Amazon Q** and **CodeWhisperer LLM agents** across company-wide apps
- Built an automated system for tagging all AWS resources within an organization across all AWS accounts that **eliminated the creation of 1 million tickets**, saving 3 months of work for the entire Cloud Infrastructure team
- Supported and guided Application teams with infrastructural design, resulting in the **reduction of cloud-related issues by 30%**; Participated in monthly platform releases and code reviews
- Remediated platform defects and **fixed 500+ security vulnerabilities for 120 applications**
- **Mentored 3 summer interns** to develop a tool that automates creation of networking resources in AWS accounts

Software Developer - Full Stack

June 2021 – Dec 2022

New York Life Insurance

Jersey City, NJ

- **Improved usability of Annuities website** by implementing a responsive & user-friendly design using Angular.js
- Developed a Python-based tool for automated documentation of XML requests/responses from website transactions and followed Agile methodology to maintain the software framework of Annuities products

Graduate Research Assistant

December 2020 – May 2021

New York University

Brooklyn, NY

- Built a data pipeline using text data of NYU Bridge Program course content as input & performed sentiment analysis on each module of the course; Suggested a revised lecture flow to **reduce student dropout rate by 10%**
- **Generated word embeddings of processed data using pre-trained Large Language Models (LLMs)**, clustered embeddings using k-means, performed topic modeling of clusters, and visualized the network graph

Software Engineer Intern - Machine Learning

June 2020 – August 2020

New York Life Insurance

Jersey City, NJ

- Trained deep neural nets and linearSVC for classifying an internal dataset of 1 million incident tickets with Keras and Tensorflow at an accuracy of 70.6%; **Won the Annual Intern Project Competition** among 20 interns

PROJECTS

InterviewBestie - LLM Agent to prepare for SDE interviews

Dec 2024 - Present

- **Developing an LLM agent** using Langchain to act as an interviewer for coding and system-design interviews

Image Segmentation Using Satellite Imagery ([link](#))

Sept 2020 - Dec 2020

- Trained a deep learning model for image segmentation based on the U-net architecture with Keras & TensorFlow
- **Achieved 85% accuracy** in precisely segmenting test satellite images into roads, buildings, and green-cover

GutenTag - The News article tagger ([link](#))

March 2020 - May 2020

- Leveraged LDA algorithm for unsupervised auto-categorization of articles based on keywords with PySpark

TECHNICAL SKILLS

- **Proficient:** Python, MySQL, React.js, HTML/CSS, Git, AWS, Terraform, C/C++, Angular.js, PySpark, Tensorflow/Keras, NumPy, Pandas, Golang, Flask
- **Familiar:** JavaScript, R, OpenCV, Java, Tableau, Docker, PyTorch, C#, Azure, ell, LangChain, LLamaIndex

PUBLICATIONS, ACHIEVEMENTS, AND LEADERSHIP

- N. Jayakar and 5 others, "[Web Application for Screening Resume](#)," 2019 International Conference on Nascent Technologies in Engineering(ICNTE), Navi Mumbai, India, 2019, pp. 1-7, doi:10.1109/ICNTE44896.2019.8945869
- **Winner**, Smart India Hackathon 2019 - software edition (team event), March 2019 amongst **111 teams** ([link](#))
- Technology **Summer Internship Mentor** at New York Life Insurance in 2024 for **50+ interns**